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S E C R E T CITE NPIC 4278
MISSION GL G-034

25 JULY 68

PREFACE

THE FOLLOWING INFORMATION REPRESENTS A PRELIMINARY ANALYSIS OF
AERIAL PHOTOGRAPHY FROM GLASS LAMP MISSION G-034, 23 JULY 1968.

((TEXT AS FOLLOWS IDENTICAL TO ABOVE MISSION))

S E C R E T

END OF MESSAGE

S/C NOTE: ALSO PASSED

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MISSION GL G-834

25 JULY 68

PREFACE

THE FOLLOWING INFORMATION REPRESENTS A PRELIMINARY ANALYSIS OF AERIAL PHOTOGRAPHY FROM GLASS LAMP MISSION G-834, 23 JULY 1968. THE NUMBER AT THE RIGHT MARGIN OF THE HEADER LINE IS THE COMIREX TARGET NUMBER.

01165630

SYMBOLS USED TO INDICATE CONDITIONS WHICH AFFECT THE APPEARANCE OF THE TARGET ON PHOTOGRAPHY ARE AS FOLLOWS -- C @CLEAR@, SC @SCATTERED CLOUD COVER@, HC @HEAVY CLOUD COVER@, H @HAZE@, CS @CLOUD SHADOW@, SD @SEMI-DARKNESS@, GC @GROUND COVER@, CF @CAMOUFLAGED@, O @OBLIQUITY@, AND GR @GROUND RESOLUTION@. INTERPRETABILITY OF THE PHOTOGRAPHY IS CATEGORIZED AS G @GOOD@, F @FAIR@, OR P @POOR@. THE EXTENT OF TARGET COVERAGE IS DENOTED BY THE SYMBOLS T @TOTAL@ OR PT @PARTIAL@. THE MODE OF COVERAGE IS SIGNIFIED BY ST @STEREO@, NS @NONSTEREO@, OR PS @PARTIAL STEREO@.

NEGATIVE RESPONSES TO SPECIFIC REQUIREMENTS WILL BE ANSWERED FOR THE MOST PART BY NAC @NO APPARENT CHANGE@ AND/OR NOOB @NO ORDER OF BATTLE DISCERNIBLE@ AT THE END OF THE REFERENCE LINE.

SUMMARY

THE SOVIET SPACE EVENTS SUPPORT SHIP, COSMONAUT VLADIMIR KOMOROV, IS OBSERVED DOCKED IN HAVANA PORT. THE EL CANO AND MAJANA SAM SITES REMAIN VACATED. AIR, NAVAL, AND GROUND FORCE ACTIVITY APPEARS NORMAL THROUGHOUT THE AREA COVERED.

MISSILES

ALQUIZAR SAM SITE A30-2 CU 224911N 0823836W

13-1

25X1

OB -- 5 LAUNCHERS @2 WITH MISSILES@, 1 CANVAS-COVERED LAUNCH POSITION, 9 TRANSPORTERS @8 WITH PROBABLE MISSILES@, AND A FAN SONG RADAR WITH AT LEAST 3 ASSOCIATED VANS.

25X1

EL CANO SAM SITE CU 230327N 0822900W

25X1

GUANABACOA SAM SITE A14-2 CU 230536N 0821557W

86-Y1

25X1

OB -- 6 LAUNCHERS @3 WITH MISSILES@, 15 TRANSPORTERS @13 WITH MISSILES@, A FAN SONG B/C RADAR WITH 4 ASSOCIATED VANS, AN OCCUPIED ACQUISITION RADAR REVETMENT, AND AT LEAST 14 VEHICLES/PIECES OF EQUIPMENT.

25X1

LA SALUD SAM SITE A24-2 CU 225305N 0822441W

489

25X1

OB -- 6 LAUNCHERS @2 WITH PROBABLE MISSILES@, 7 TRANSPORTERS, 1 POSSIBLE TRANSPORTER, A FAN SONG RADAR WITH 5 ASSOCIATED VANS, AN OCCUPIED ACQUISITION RADAR REVETMENT, 9 POSSIBLE AT-S TRACKED PRIME MOVERS, 10 POSSIBLE ZIL-157V PRIME MOVERS, AND 6 VEHICLES/PIECES OF EQUIPMENT.

25X1

MAJANA SAM SITE 2 A27-A2 CU 224116N 0825002W

25X1

MANAGUA SAM SITE A05-2 CU 225942N 0821558W

111-E

25X1

OB -- 6 LAUNCHERS @3 WITH MISSILES@, 11 TRANSPORTERS @9 WITH MISSILES@, A FAN SONG RADAR WITH 5 ASSOCIATED VANS, A PROBABLE ACQUISITION RADAR, AND 24 VEHICLES/PIECES OF EQUIPMENT.

25X1

MARIEL SAM SITE 2 A30-2 CU 230048N 0824849W

25X1

OB -- 6 LAUNCHERS WITH MISSILES, 4 TRANSPORTERS, A FAN SONG
RADAR WITH 4 ASSOCIATED VANS, AN OCCUPIED ACQUISITION RADAR SITE,
POSITION, 9 POSSIBLE AT-S TRACKED PRIME MOVERS, 8 POSSIBLE ZIL-157V
PRIME MOVERS, AND 7 VEHICLES/PIECES OF EQUIPMENT.

PUNTA BRAVA SAM SITE A29-2 CU 230130N 0823140W
483-A

OB -- 5 LAUNCHERS 03 WITH MISSILES, 7 TRANSPORTERS WITH MISSILES,
A FAN SONG RADAR WITH 4 ASSOCIATED VANS, AND 10 POSSIBLE
VEHICLES/PIECES OF EQUIPMENT.

RANCHUELO SAM SITE A33-2 CU 222350N 0801002W
154-B

OB -- 6 LAUNCHERS 02 WITH MISSILES, 2 MISSILES ON TRANSPORTERS, A
FAN SONG B/C RADAR WITH 6 ASSOCIATED VANS, A SPOON REST RADAR WITH
2 VANS, 13 MISSILE TRANSPORTERS 010 CANVAS COVERED, 9 AT-S TRACKED
PRIME MOVERS, 3 CARGO TRUCKS, 16 PROBABLE CARGO TRUCKS, AND 4
VEHICLES/PIECES OF EQUIPMENT.

SANTA CLARA SAM SITE A34-2 CU 222905N 080013W
177-01

OB -- 5 LAUNCHERS, 1 PROBABLE FAN SONG RADAR WITH 4 ASSOCIATED
VANS, 9 MISSILE TRANSPORTERS 07 POSSIBLY CANVAS COVERED, AND 14
VEHICLES/PIECES OF EQUIPMENT.

TORRENS SAM ASSEMBLY AREA CU 225740N 0822753W
458-A

OB -- 6 CARGO TRUCKS AND NUMEROUS VEHICLES/PIECES OF EQUIPMENT.

SANTA ISABEL DE LAS LAJAS SAM SITE A35-2 CU 222820N 0801847W
154-C

OB -- 4 LAUNCHERS 02 WITH MISSILES, 1 MISSILE ON TRANSPORTER, A
FAN SONG RADAR WITH 4 VANS, 6 MISSILE TRANSPORTERS 04 CANVAS
COVERED, 3 TRACKED PRIME MOVERS, 2 CARGO TRUCKS, AND 1 UTILITY
TRUCK.

SANTIAGO DE LAS VEGAS SAM ASSEMBLY AREA CU 225740N 0822130W
425-B

OB -- AT LEAST 14 TRANSPORTERS 06 WITH EXPOSED MISSILES, NUMEROUS
MISSILE CANISTERS, AND AT LEAST 8 VEHICLES/PIECES OF EQUIPMENT.

CONSTANCIA SAM SITE A10-2 CU 221400N 0803030W
56-E

OB -- 5 LAUNCHERS 01 WITH MISSILES, A FAN SONG RADAR AND 4 VANS, AN
OCCUPIED ACQUISITION RADAR SITE, 9 MISSILE TRANSPORTERS, AND 39
VEHICLES/PIECES OF EQUIPMENT.

SANTA FE SAM SITE A30-2 CU 214701N 0825010W
179-H

THE SITE IS OCCUPIED.

PUNTA BALLENAIOS SAM SITE CU 230440N 0822945W
0586 508-A

OB -- 3 LAUNCHERS NEAR THE ACQUISITION RADAR REVETMENT AND AN
ACQUISITION RADAR WITH 1 ASSOCIATED VAN.

LA HABANA SAM SITE PORT DE LA CADENA CU 230855N 0822025W
0586 86-P1

OB -- 5 LAUNCHERS 02 WITH MISSILES, A PROBABLE GUIDANCE RADAR, AND
AN OCCUPIED ACQUISITION RADAR REVETMENT.

LA ESPERANZA SAM ASSEMBLY AREA CU 222723N 0800040W
0586 511

OB -- 3 MISSILE CANISTER TRANSPORTERS, 9 ZIL-157V PRIME MOVERS, AND
3 CARGO TRUCKS.

25X1

EL CANO SAM TRAINING AREA CU 230330N 0822906W
0586 86-K3

OB -- 9 LAUNCHERS, 5 CANVAS-COVERED TRANSPORTERS, 2 FAN SONG RADARS
WITH 8 ASSOCIATED VANS, 2 TOWN-TYPE RADARS, 2 ROCK CAKE/STONE CAKE
RADARS, AND AT LEAST 23 VEHICLES/PIECES OF EQUIPMENT.

25X1

AIR FACILITIES
CAMILO CIENFUEGOS AIRFIELD CU 222931N 0795631W

177-D

OB -- 4 PROBABLE FAGOT/FRESCO, 2 POSSIBLE FAGOT/FRESCO,
AND 2 POSSIBLE HOUND.

25X1

SIGUANEA AIRFIELD CU 213834N 0826720W

190-C

25X1

25X1

25X1

SAN ANTONIO DE LOS BANOS AIRFIELD CU 225216N 0823034W

164

NINE HANGARETTES HAVE BEEN COMPLETED AND TWO ADDITIONAL HANGARETTES
ARE UNDER CONSTRUCTION.

25X1

OB -- 18 FISHBED, 3 FARMER, 10 FAGOT/FRESCO, AND 1 HOUND.

SAN JULIAN AIRFIELD CU 220542N 0840907W

18

OB -- 11 COLT, 21 ZLIN TRENER, 3 LIAISON, AND 1 HOUND.

25X1

25X1

25X1

JOSE MARTI INTERNATIONAL AIRFIELD CU 225922N 0822427W

86-I

OB -- 2 FISHBED, 1 CLEAT, 2 BRITANNIA, 1 COOT, 1 C-54, 3 COKE, 1
CAB, 6 CRATE, 1 PROBABLE CRATE, AND 1 MORAVA L-200.

25X1

25X1

CAMPO LIBERTAD AIRFIELD CU 230541N 0822555W

86-B

CONSTRUCTION HAS BEGUN ON A SECOND LARGE POSSIBLE HANGAR.
OB -- 2 FISHBED, 1 FARMER, 7 FAGOT/FRESCO, 1 CRATE, 1 CAB, 15 COLT,
1 MORAVA L-200, 1 ZLIN TRENER, 26 HOUND, 1 POSSIBLE CRATE FUSELAGE,
9 PROBABLE HOUND FUSELAGES, 1 SMALL STRAIGHT-WING, 19 FRESCO
SHIPPING CRATES, AND 16 OTHER CRATES.

25X1

PLAYA BARACOA AIRFIELD CU 230205N 0823442W

22

CONSTRUCTION CONTINUES ON MAINTENANCE/REPAIR BUILDING.
OB -- 2 COKE AND 1 CRATE.

25X1

25X1

JAIME GONZALES AIRFIELD CU 220926N 0802444W

51-C

OB -- 1 COLT.

25X1

25X1

25X1

NAVAL ACTIVITY/PORTS

MARIEL NAVAL BASE AND NAVAL AIR STATION CU 225940N 0824459W
0586 117

OB -- 2 KRONSTADT PC, 4 SO-1 SC, AND 1 POSSIBLE PCE.
VESSELS -- 1 FREIGHTER AND 1 COASTAL FREIGHTER.

25X1

CABANAS NAVAL BASE CU 225835N 0825836W

25-C

OB -- 11 KOMAR PTG 02 ENTERING BAY, 1 POULCHAT-2 YPT, AND AT LEAST
35 STYX MISSILE CRATES.

25X1

25X1

OB -- 2 KRONSTADT PC AND 6 P-6 PT.
VESSELS -- 1 LARGE FREIGHTER AND 1 COASTAL TANKER.

25X1

LA HABANA PORT FACILITIES CU 233750N 0822050W

86

OB -- 1 KRONSTADT PC, 5 SO-1 SC 02 IN DRYDOCK, 3 KOMAR PTG, 5 P-4 PT, 1 P-6-TYPE HULL, 1 UNARMED PF, 1 SMALL COMBATANT, AND 1 SESS

25X1

VESSELS -- 27 FREIGHTERS AND 5 COASTAL FREIGHTERS.

25X1

R-L/16,20,24 C.GC F T ST
PUNTA BALLENAOS NAVAL FACILITY CU 230515N 0822945W

508

OB -- 1 PROBABLE P-6 PT AND 2 P-4 PT.

25X1

ELECTRONICS/COMMUNICATIONS

SANTA CLARA AW RADAR FACILITY CU 223016N 0795658W

177-E

THE SITE IS OCCUPIED.

25X1

SAN ANTONIO DE LOS BAÑOS AW RADAR FAC 2 CU 2253//N 08230//W

25X1

0586 164-H1
OB -- 1 TOKEN-TYPE RADAR AND 3 POSSIBLE ASSOCIATED VANS.

25X1

BAHIA HONDA AW RADAR FACILITY CU 225829N 0831128W

0587

3-D

25X1

BAHIA HONDA AW RADAR FACILITY 2 CU 225512N 0831214W

0587

3-G

25X1

LA HABANA RADAR FACILITY COJIMAR CU 230054N 0821933W

86-F

OB -- 1 TOKEN-TYPE RADAR.

25X1

SAN JULIAN RADAR FAC AFLD GUANE CU 220625N 0840918W

25X1

18-D

OB -- 1 TOKEN-TYPE RADAR.

25X1

SANTA FE AW RADAR FACILITY CU 213933N 0824548W

179-G

FIVE VEHICLES/PIECES OF EQUIPMENT ARE OBSERVED IN THREE REVETTED AREAS.

25X1

CABANAS RADAR FACILITY CAYO TOMAS CU 225912N 0825850W

25X1

25-F

OB -- 1 LOW SIEVE RADAR.

25X1

CABO SAN ANTONIO LOW SIEVE RADAR FAC CU 215211N 0845704W

25X1

34

TWO PROBABLE VAN TRUCKS AND ONE PROBABLE CARGO TRUCK ARE OBSERVED.

25X1

LA HABANA RADAR FACILITY EL MORRO NO 1 CU 230900N 0822126W

25X1

CIENFUEGOS RADAR FACILITY NO 2 CU 220226N 0802523W

25X1

477-A

TWO VAN TRUCKS AND TWO VAN TRAILERS ARE OBSERVED.

25X1

SAN MIGUEL AW RADAR FACILITY CU 222939N 0795358W

25X1

177-E1

OB -- 1 POSSIBLE RADAR AND 6 POSSIBLE VANS.

25X1

86-21	25X1
OB -- AT LEAST 24 VEHICLES/PIECES OF EQUIPMENT.	25X1
LA HABANA BARRACKS COJIMAR CU 230928N 0821512W	25X1
322-B	25X1
OB -- NUMEROUS CARGO TRUCKS AND VEHICLES/PIECES OF EQUIPMENT.	25X1
SANTIAGO DE LAS VEGAS MILITARY CAMP CU 225800N 0822020W	25X1
425-C	25X1
OB -- AT LEAST 55 CARGO TRUCKS 032 IN REVETMENTS AND NUMEROUS VEHICLES/PIECES OF EQUIPMENT.	25X1
SANTIAGO DE LAS VEGAS MIL CAMP CU 225730N 0822320W	25X1
425-E	25X1
CONSTRUCTION CONTINUES ON DRIVE-THROUGH BUNKERS.	25X1
OB -- 3 POSSIBLE TANKS/ASSAULT GUNS.	25X1
LOURDES MILITARY CAMP TORRENS CU 225919N 0822759W	25X1
458	25X1
OB -- 7 VAN TRUCKS, 22 CARGO TRUCKS, AND AT LEAST 15 VEHICLES/PIECES OF EQUIPMENT.	25X1
GUANABACOA FIELD ARTILLERY BN HQ CU 230802N 0821038W	25X1
395-A	25X1
OB -- 24 POSSIBLE CARGO TRUCKS.	25X1
BEJUCAL DG STORAGE AREA SE CU 225436N 0822142W	25X1
320-C	25X1
EXCAVATIONS FOR SEVEN POSSIBLE STORAGE BUNKERS ARE OBSERVED.	25X1
OB -- 20 TANKS/ASSAULT GUNS AND 20 CARGO TRUCKS.	25X1
CAMPO ELORIDO MILITARY CAMP WSW CU 230617N 0821110W	25X1
445	25X1
OB -- NUMEROUS VEHICLES/PIECES OF EQUIPMENT.	25X1
LARGO ISLAND MILITARY CAMP CU 213735N 0813351W	25X1
37-D	25X1
OB -- 2 CARGO TRUCKS AND 1 VEHICLE/PIECE OF EQUIPMENT.	25X1
LA HABANA ARMY BARRACKS GUANABACOA CU 230716N 0821553W	25X1
86-03	25X1
OB -- 11 CARGO TRUCKS AND 3 VEHICLES/PIECES OF EQUIPMENT.	25X1
GUANAJAY MILITARY CAMP MARTIN MESA CU 225720N 0824332W	25X1
215-D	25X1
OB -- 43 CARGO TRUCKS, 3 VAN TRUCKS, AND 6 VEHICLES/PIECES OF EQUIPMENT.	25X1
GUANAJAY DRIVE THROUGH BUNKER CU 225655N 0823900W	25X1
LA FLORA MILITARY CAMP CU 225243N 0823350W	25X1
164-E	25X1
OB -- 18 TANKS/ASSAULT GUNS, 38 BTR-60P APC, 18 FA PIECES, 34 POSSIBLE FA PIECES, 31 AAA PIECES, 9 MORTARS, AND 75 CARGO TRUCKS.	25X1
MANAGUA TANK PARK LOMAS DE TETAS CU 225805N 0821910W	25X1
425-D	25X1
OB -- AT LEAST 14 TANKS/ASSAULT GUNS AND 6 POSSIBLE CARGO TRUCKS.	25X1
MANAGUA MILITARY CAMP CU 225805N 0821710W	25X1

MARIEL MILITARY CAMP LOMA GOBERNADORA CU 225605N 0825104W

25X1

MINAS MILITARY CAMP JESUS MARIA FINCA CU 230635N 0821151W

25X1

NAZARENO MILITARY CAMP CU 225750N 0821355W

25X1

431

OB -- AT LEAST 45 VEHICLES/PIECES OF EQUIPMENT.

25X1

SAN DIEGO DE NUNEZ MILITARY CAMP CU 225450N 0830533W

25X1

64

OB -- 3 POSSIBLE VEHICLES/PIECES OF EQUIPMENT.

25X1

SAN JOSE DE LAS LAJAS VEHICLE PARK NW CU 225842N 0821227W

25X1

172-L

CONSTRUCTION CONTINUES ON THE THREE NEW BUILDINGS.

25X1

OB -- 9 CARGO TRUCKS AND 12 POSSIBLE VEHICLES/PIECES OF EQUIPMENT.

SANTA CLARA ARTILLERY TRAINING AREA CU 222202N 0800011W

25X1

SAN ANTONIO DE LOS BANOS MILITARY CAMP NE CU 225400N 0822948W

25X1

164-J

OB -- NUMEROUS VEHICLES/PIECES OF EQUIPMENT.

25X1

CHORRERA DE MANAGUA MILITARY CAMP W CU 230216N 0821951W

25X1

0586 316-D

NUMEROUS CONCRETE ARCHES ARE OBSERVED.

OB -- 20 POSSIBLE TANKS AND 13 VEHICLES/PIECES OF EQUIPMENT.

ACTIVITY -- 1 SIX-GUN AAA SITE WITH PROBABLE FIRE CONTROL RADAR AND 1 VAN.

25X1

LAS MERCEDES VEHICLE PARK CU 222428N 0800108W

25X1

177-K1

OB -- AT LEAST 70 VEHICLES/PIECES OF EQUIPMENT.

25X1

LA CHARCA MILITARY HQS CU 224608N 0803627W

25X1

505

OB -- 18 BTR-60P APC, 6 PROBABLE VAN TRUCKS, AND AT LEAST 100 VEHICLES/PIECES OF EQUIPMENT.

25X1

SIGUANEA MILITARY BARRACKS CU 213710N 0825725W

25X1

OBOURKE MILITARY CAMP CU 220948N 0802722W

25X1

51-V

OB -- 17 FA PIECES AND 14 CARGO TRUCKS.

25X1

FONTANAR UNDERGROUND STORAGE AREA CU 230154N 0822442W

25X1

507

TWO BUILDINGS REMAIN UNDER CONSTRUCTION AND THREE ARE COMPLETED.

25X1

CAMPO LIBERTAD VEHICLE PARK CU 230324N 0822724W

25X1

0586 509

OB -- 56 CARGO TRUCKS, 12 POL TRUCKS, 17 SEMITRAILERS, AND AT LEAST 95 VEHICLES/PIECES OF EQUIPMENT.

25X1

ALTURAS DE BELEN VEHICLE PARK CU 230536N 0822452W

0586 509

OB -- NUMER Approved For Release 2007/07/23 : CIA-RDP78B04549A000600040048-0

LA HABANA ARMY BARRACKS FORT DE LA CABANA CU 232851N 8822049W

86-P

OB -- AT LEAST 43 VEHICLES/PIECES OF EQUIPMENT.

TARARA LANDING BEACH CU 231030N 8821120W

ENSENADA COLORADO LANDING BEACH CU 225211N 8802511W

ARTEMISA MILITARY CAMP NW CU 225306N 8824700W

0586 13-K

FACILITIES INCLUDE ONE I-SHAPED ADMINISTRATION BUILDING, SIX L-SHAPED PROBABLE BARRACKS, THREE UNDER CONSTRUCTION, TWO DOUBLE-WING BARRACKS, FIVE PROBABLE STORAGE BUILDINGS, ONE VEHICLE MAINTENANCE/REPAIR BUILDING, ONE MESSHALL, 11 SUPPORT BUILDINGS, TWO UNDER CONSTRUCTION, AND AN OBSTACLE COURSE.

OB -- 16 TANKS/ASSAULT GUNS AND 19 PROBABLE CARGO TRUCKS.

ACTIVITY -- AN OCCUPIED SIX-GUN AAA SITE WITH TWO SUPPORT SHEDS.